

Chapman Creek Water Potability Test Results

Date: July 11, 2018

Sample collected for Chapman Creek Water System

PARAMETERS	UNITS	CH-26	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	ND	1.5	MAC
Anions				
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	9.65	80-100	OG
Nitrate (N)	mg/L	0.077	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	22.9		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	28		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	ND	500	AO
Dissolved Chloride (Cl)	mg/L	7.7	250	AO
MISCELLANEOUS				
True Color	Col. Units	ND	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.077		
Physical Properties				
Conductivity	uS/cm	69		
pH	pH units	7.34	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	36	500	AO
Turbidity	NTU	0.19	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	74.1	200	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.19	10	MAC
Total Barium (Ba)	ug/L	2.9	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	ND	5	MAC
Total Chromium (Cr)	ug/L	ND	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	5.42	1000	AO
Total Iron (Fe)	ug/L	34.0	300	AO
Total Lead (Pb)	ug/L	ND	10	MAC
Total Manganese (Mn)	ug/L	ND	50	AO
Total Mercury (Hg)	ug/L	ND	1	MAC

Chapman Creek Water Potability Test Results

Date: July 11, 2018

Sample collected for Chapman Creek Water System

PARAMETERS continued	UNITS	CH-26	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	ND		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	2330		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	10.9		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	ND	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	3.06		
Total Magnesium (Mg)	mg/L	0.486		
Total Potassium (K)	mg/L	0.236		
Total Sodium (Na)	mg/L	10.5	200	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

South Pender Water Potability Test Results

Date: July 10, 2018

Sample collected for South Pender Water System

PARAMETERS	UNITS	SP-03	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	ND	1.5	MAC
Anions				
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	11.5	80-100	OG
Nitrate (N)	mg/L	ND	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	33.4		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	40.7		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	ND	500	AO
Dissolved Chloride (Cl)	mg/L	6.7	250	AO
MISCELLANEOUS				
True Color	Col. Units	ND	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	ND		
Physical Properties				
Conductivity	uS/cm	86.3		
pH	pH units	7.57	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	44	500	AO
Turbidity	NTU	ND	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	16.5	200	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.30	10	MAC
Total Barium (Ba)	ug/L	4.6	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	ND	5	MAC
Total Chromium (Cr)	ug/L	ND	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	4.93	1000	AO
Total Iron (Fe)	ug/L	ND	300	AO
Total Lead (Pb)	ug/L	ND	10	MAC
Total Manganese (Mn)	ug/L	ND	50	AO
Total Mercury (Hg)	ug/L	ND	1	MAC

South Pender Water Potability Test Results

Date: July 10, 2018

Sample collected for South Pender Water System

PARAMETERS continued	UNITS	SP-03	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	1.2		
Total Nickel (Ni)	ug/L	2.1		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	ND		
Total Silver (Ag)	ug/L	2510		
Total Strontium (Sr)	ug/L	ND		
Total Thallium (Tl)	ug/L	20.6		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	ND	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	ND		
Total Magnesium (Mg)	mg/L	3.55		
Total Potassium (K)	mg/L	0.645		
Total Sodium (Na)	mg/L	0.294	200	AO
Total Sulphur (S)	mg/L	14.8		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

North Pender Water Potability Test Results

Date: July 10, 2018

Sample collected for North Pender Water System

PARAMETERS	UNITS	NP-07	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	0.021	1.5	MAC
Anions				
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	19.5	80-100	OG
Nitrate (N)	mg/L	0.081	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	23.7		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	28.9		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.9	500	AO
Dissolved Chloride (Cl)	mg/L	11	250	AO
MISCELLANEOUS				
True Color	Col. Units	ND	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.081		
Physical Properties				
Conductivity	uS/cm	89.0		
pH	pH units	7.55	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	56	500	AO
Turbidity	NTU	0.51	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	19.0	200	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.20	10	MAC
Total Barium (Ba)	ug/L	3.6	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	ND	5	MAC
Total Chromium (Cr)	ug/L	ND	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	3.64	1000	AO
Total Iron (Fe)	ug/L	105	300	AO
Total Lead (Pb)	ug/L	ND	10	MAC
Total Manganese (Mn)	ug/L	12.6	50	AO
Total Mercury (Hg)	ug/L	ND	1	MAC

North Pender Water Potability Test Results

Date: July 10, 2018

Sample collected for North Pender Water System

PARAMETERS continued	UNITS	NP-07	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	1.4		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	3560		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	27.9		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	14.1	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	6.14		
Total Magnesium (Mg)	mg/L	1.01		
Total Potassium (K)	mg/L	0.583		
Total Sodium (Na)	mg/L	9.32	200	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Katherine Lake Water Potability Test Results

Date: July 10, 2018

Sample collected in Katherine Lake Water System

PARAMETERS	UNITS	KA-01	GCDWQ ³	
Misc. Inorganics				OG/AO/MAC ⁴
Fluoride (F)	mg/L	0.039	1.5	MAC
Anions				
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	53.8	80-100	OG
Nitrate (N)	mg/L	0.062	10	MAC
Misc. Inorganics				
Alkalinity (total as CaCO ₃)	mg/L	56.8		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	69.2		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	2.6	500	AO
Dissolved Chloride (Cl)	mg/L	3.6	250	AO
MISCELLANEOUS				
True Color	Col. Units	ND	15	AO
Nutrients				
Nitrate + Nitrite (N)	mg/L	0.062		
Physical Properties				
Conductivity	uS/cm	132		
pH	pH units	7.76	7-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	78	500	AO
Turbidity	NTU	0.12	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	4.0	200	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.57	10	MAC
Total Barium (Ba)	ug/L	3.5	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	0.018	5	MAC
Total Chromium (Cr)	ug/L	ND	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	73.7	1000	AO
Total Iron (Fe)	ug/L	ND	300	AO
Total Lead (Pb)	ug/L	0.73	10	MAC
Total Manganese (Mn)	ug/L	ND	50	AO
Total Mercury (Hg)	ug/L	ND	1	MAC

Katherine Lake Water Potability Test Results

Date: July 10, 2018

Sample collected in Katherine Lake Water System

PARAMETERS continued	UNITS	KA-01	GCDWQ³	
Total Molybdenum (Mo)	ug/L	3.6		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	9990		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	49.3		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	1.14	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	6.9	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	16.6		
Total Magnesium (Mg)	mg/L	3.03		
Total Potassium (K)	mg/L	1.07		
Total Sodium (Na)	mg/L	6.83	200	AO
Total Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Ruby Lake Water Potability Test Results

Date: August 13, 2018

Sample collected for Ruby Lake Water System

PARAMETERS	UNITS	RL-03	GCDWQ ³	
ANIONS				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	17.4		
Nitrate (N)	mg/L	ND	10	MAC
Misc. Inorganics				
Fluoride (F)	mg/L	ND	1.5	MAC
Alkalinity (Total as CaCO ₃)	mg/L	16.1		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	19.7		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	2.9	500	AO
Dissolved Chloride (Cl)	mg/L	5.7	250	AO
MISCELLANEOUS				
True Colour	Col. Unit	6.5	15	AO
Nutrients				
Nitrate plus Nitrite (N)	mg/L	ND		
Total Phosphorus (P)	mg/L	0.0056		
Physical Properties				
Conductivity	uS/cm	60.5		
pH	pH	7.09	7.0-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	40	500	AO
Turbidity	NTU	0.33	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	11.4	100	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.45	10	MAC
Total Barium (Ba)	ug/L	3.4	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	ND	5	MAC
Total Chromium (Cr)	ug/L	1.5	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	3.18	1000	AO
Total Iron (Fe)	ug/L	152	300	AO
Total Lead (Pb)	ug/L	ND	10	MAC
Total Manganese (Mn)	ug/L	2.2	50	AO

Ruby Lake Water Potability Test Results

Date: August 13, 2018

Sample collected for Ruby Lake Water System

PARAMETERS continued	UNITS	RL-03	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	ND		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	1480		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	17.7		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	27.2	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	5.81		
Total Magnesium (Mg)	mg/L	0.701		
Total Potassium (K)	mg/L	0.277		
Total Sodium (Na)	mg/L	5.18	200	AO
Total Sulphur (S)	mg/L	ND		
Total Mercury (Hg)	ug/L	ND	1	MAC

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Egmont Water Potability Test Results

Date: August 13, 2018

Sample collected for Egmont Water System

PARAMETERS	UNITS	EG-02	GCDWQ ³	
ANIONS				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Total Hardness (CaCO ₃)	mg/L	13.1		
Nitrate (N)	mg/L	0.025	10	MAC
Misc. Inorganics				
Fluoride (F)	mg/L	ND	1.5	MAC
Alkalinity (Total as CaCO ₃)	mg/L	13.8		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	16.8		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	1.4	500	AO
Dissolved Chloride (Cl)	mg/L	5.1	250	AO
MISCELLANEOUS				
True Colour	Col. Unit	ND	15	AO
Nutrients				
Nitrate plus Nitrite (N)	mg/L	0.025		
Total Phosphorus (P)	mg/L	0.0053		
Physical Properties				
Conductivity	uS/cm	51.7		
pH	pH	6.97	7.0-10.5	OG
Physical Properties				
Total Dissolved Solids	mg/L	40	500	AO
Turbidity	NTU	0.25	5	MAC
Total Metals by ICPMS				
Total Aluminum (Al)	ug/L	19.4	100	OG
Total Antimony (Sb)	ug/L	ND	6	MAC
Total Arsenic (As)	ug/L	0.23	10	MAC
Total Barium (Ba)	ug/L	4.5	1000	MAC
Total Beryllium (Be)	ug/L	ND		
Total Bismuth (Bi)	ug/L	ND		
Total Boron (B)	ug/L	ND	5000	MAC
Total Cadmium (Cd)	ug/L	ND	5	MAC
Total Chromium (Cr)	ug/L	ND	50	MAC
Total Cobalt (Co)	ug/L	ND		
Total Copper (Cu)	ug/L	13.2	1000	AO
Total Iron (Fe)	ug/L	49.1	300	AO
Total Lead (Pb)	ug/L	0.33	10	MAC
Total Manganese (Mn)	ug/L	1.5	50	AO

Egmont Water Potability Test Results

Date: August 13, 2018

Sample collected for Egmont Water System

PARAMETERS continued	UNITS	EG-02	GCDWQ ³	
Total Molybdenum (Mo)	ug/L	ND		
Total Nickel (Ni)	ug/L	ND		
Total Selenium (Se)	ug/L	ND	50	MAC
Total Silicon (Si)	ug/L	2210		
Total Silver (Ag)	ug/L	ND		
Total Strontium (Sr)	ug/L	16.0		
Total Thallium (Tl)	ug/L	ND		
Total Tin (Sn)	ug/L	ND		
Total Titanium (Ti)	ug/L	ND		
Total Uranium (U)	ug/L	ND	20	MAC
Total Vanadium (V)	ug/L	ND		
Total Zinc (Zn)	ug/L	13.0	5000	AO
Total Zirconium (Zr)	ug/L	ND		
Total Calcium (Ca)	mg/L	4.55		
Total Magnesium (Mg)	mg/L	0.423		
Total Potassium (K)	mg/L	0.176		
Total Sodium (Na)	mg/L	5.05	200	AO
Total Sulphur (S)	mg/L	ND		
Total Mercury (Hg)	ug/L	ND	1	MAC

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective /

Eastbourne Water Potability Test Results

Date: June 4, 2018

Sample collected for Eastbourne Water System

PARAMETERS	UNITS	20.3	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.538	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	ND		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	1.5		
Alkalinity (total as CaCO ₃)	mg/L	9.2		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	11.2		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	4.7	500	AO
Dissolved Chloride (Cl)	mg/L	8.7	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	0.06		
Total Ammonia (N)	mg/L	0.032		
Nitrate + Nitrite (N)	mg/L	0.538		
Total Nitrogen (N)	mg/L	0.598		
Total Phosphorus (P)	mg/L	ND		
Physical Properties				
Conductivity	uS/cm	68.8		
pH	pH units	6.69	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.20	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	18.8		
Elements				
Dissolved Mercury (Hg)	ug/L	ND		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	25.7	200	OG
Dissolved Antimony (Sb)	ug/L	ND	6	MAC
Dissolved Arsenic (As)	ug/L	ND	10	MAC
Dissolved Barium (Ba)	ug/L	13.1	1000	MAC
Dissolved Beryllium (Be)	ug/L	ND		
Dissolved Bismuth (Bi)	ug/L	ND		
Dissolved Boron (B)	ug/L	ND	5000	AO
Dissolved Cadmium (Cd)	ug/L	ND	5	MAC
Dissolved Chromium (Cr)	ug/L	ND	50	MAC
Dissolved Cobalt (Co)	ug/L	ND		

Eastbourne Water Potability Test Results

Date: June 4, 2018

Sample collected for Eastbourne Water System

PARAMETERS continued	UNITS	20.3	GCDWQ³	
Dissolved Copper (Cu)	ug/L	79.8	1000	AO
Dissolved Iron (Fe)	ug/L	12.4	300	AO
Dissolved Lead (Pb)	ug/L	2.45	10	MAC
Dissolved Lithium (Li)	ug/L	ND		
Dissolved Manganese (Mn)	ug/L	1.9		
Dissolved Molybdenum (Mo)	ug/L	ND		
Dissolved Nickel (Ni)	ug/L	ND		
Dissolved Selenium (Se)	ug/L	ND	50	MAC
Dissolved Silicon (Si)	ug/L	8790		
Dissolved Silver (Ag)	ug/L	ND		
Dissolved Strontium (Sr)	ug/L	50.2		
Dissolved Thallium (Tl)	ug/L	ND		
Dissolved Tin (Sn)	ug/L	ND		
Dissolved Titanium (Ti)	ug/L	ND		
Dissolved Uranium (U)	ug/L	ND	20	MAC
Dissolved Vanadium (V)	ug/L	ND		
Dissolved Zinc (Zn)	ug/L	22.6	5000	AO
Dissolved Zirconium (Zr)	ug/L	ND		
Dissolved Calcium (Ca)	mg/L	4.94		
Dissolved Magnesium (Mg)	mg/L	1.57		
Dissolved Potassium (K)	mg/L	0.658		
Dissolved Sodium (Na)	mg/L	5.17	200	AO
Dissolved Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Langdale Water Potability Test Results

Date: July 11, 2018

Sample collected in the Langdale Water System

PARAMETERS	UNITS	LA-04	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.266	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	ND		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	ND		
Alkalinity (total as CaCO ₃)	mg/L	36.4		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	44.4		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	10.4	500	AO
Dissolved Chloride (Cl)	mg/L	3.2	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	ND		
Total Ammonia (N)	mg/L	ND		
Nitrate + Nitrite (N)	mg/L	0.266		
Total Nitrogen (N)	mg/L	0.271		
Total Phosphorus (P)	mg/L	0.0525		
Physical Properties				
Conductivity	uS/cm	110		
pH	pH units	7.69	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.12	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	36.3		
Elements				
Dissolved Mercury (Hg)	ug/L	ND		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	ND	200	OG
Dissolved Antimony (Sb)	ug/L	ND	6	MAC
Dissolved Arsenic (As)	ug/L	3.52	10	MAC
Dissolved Barium (Ba)	ug/L	2.4	1000	MAC
Dissolved Beryllium (Be)	ug/L	ND		
Dissolved Bismuth (Bi)	ug/L	ND		
Dissolved Boron (B)	ug/L	ND	5000	AO
Dissolved Cadmium (Cd)	ug/L	ND	5	MAC
Dissolved Chromium (Cr)	ug/L	ND	50	MAC
Dissolved Cobalt (Co)	ug/L	ND		

Langdale Water Potability Test Results

Date: July 11, 2018

Sample collected in the Langdale Water System

PARAMETERS continued	UNITS	LA-04	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	3.5		
Dissolved Molybdenum (Mo)	ug/L	2.9		
Dissolved Nickel (Ni)	ug/L	ND		
Dissolved Selenium (Se)	ug/L	0.32	50	MAC
Dissolved Silicon (Si)	ug/L	16000		
Dissolved Silver (Ag)	ug/L	ND		
Dissolved Strontium (Sr)	ug/L	31.8		
Dissolved Thallium (Tl)	ug/L	ND		
Dissolved Tin (Sn)	ug/L	ND		
Dissolved Titanium (Ti)	ug/L	ND		
Dissolved Uranium (U)	ug/L	ND	20	MAC
Dissolved Vanadium (V)	ug/L	ND		
Dissolved Zinc (Zn)	ug/L	22.1	5000	AO
Dissolved Zirconium (Zr)	ug/L	ND		
Dissolved Calcium (Ca)	mg/L	7.33		
Dissolved Magnesium (Mg)	mg/L	4.37		
Dissolved Potassium (K)	mg/L	2.45		
Dissolved Sodium (Na)	mg/L	6.30	200	AO
Dissolved Sulphur (S)	mg/L	3.6		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Soames Water Potability Test Results

Date: July 11, 2018

Sample collected in Soames Water System

PARAMETERS	UNITS	SO-03	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.644	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	ND		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	ND		
Alkalinity (total as CaCO ₃)	mg/L	46.4		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	56.6		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	7.2	500	AO
Dissolved Chloride (Cl)	mg/L	5	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	ND		
Total Ammonia (N)	mg/L	ND		
Nitrate + Nitrite (N)	mg/L	0.644		
Total Nitrogen (N)	mg/L	0.653		
Total Phosphorus (P)	mg/L	0.0789		
Physical Properties				
Conductivity	uS/cm	126		
pH	pH units	7.72	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.13	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	43.8		
Elements				
Dissolved Mercury (Hg)	ug/L	ND		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	ND	200	OG
Dissolved Antimony (Sb)	ug/L	ND	6	MAC
Dissolved Arsenic (As)	ug/L	2.53	10	MAC
Dissolved Barium (Ba)	ug/L	4.3	1000	MAC
Dissolved Beryllium (Be)	ug/L	ND		
Dissolved Bismuth (Bi)	ug/L	ND		
Dissolved Boron (B)	ug/L	ND	5000	AO
Dissolved Cadmium (Cd)	ug/L	ND	5	MAC
Dissolved Chromium (Cr)	ug/L	ND	50	MAC
Dissolved Cobalt (Co)	ug/L	ND		

Soames Water Potability Test Results

Date: July 11, 2018

Sample collected in Soames Water System

PARAMETERS continued	UNITS	SO-03	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	ND		
Dissolved Molybdenum (Mo)	ug/L	1.5		
Dissolved Nickel (Ni)	ug/L	ND		
Dissolved Selenium (Se)	ug/L	0.42	50	MAC
Dissolved Silicon (Si)	ug/L	18200		
Dissolved Silver (Ag)	ug/L	ND		
Dissolved Strontium (Sr)	ug/L	31.2		
Dissolved Thallium (Tl)	ug/L	ND		
Dissolved Tin (Sn)	ug/L	ND		
Dissolved Titanium (Ti)	ug/L	ND		
Dissolved Uranium (U)	ug/L	0.18	20	MAC
Dissolved Vanadium (V)	ug/L	8.9		
Dissolved Zinc (Zn)	ug/L	ND	5000	AO
Dissolved Zirconium (Zr)	ug/L	ND		
Dissolved Calcium (Ca)	mg/L	9.21		
Dissolved Magnesium (Mg)	mg/L	5.06		
Dissolved Potassium (K)	mg/L	2.89		
Dissolved Sodium (Na)	mg/L	6.30	200	AO
Dissolved Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Grantham's Landing Water Potability Test Results

Date: July 11, 2018

Sample collected in the Grantham's Landing Water System

PARAMETERS	UNITS	GL-02	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	0.657	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	ND		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	ND		
Alkalinity (total as CaCO ₃)	mg/L	44.3		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	54		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	7.4	500	AO
Dissolved Chloride (Cl)	mg/L	5.8	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	ND		
Total Ammonia (N)	mg/L	ND		
Nitrate + Nitrite (N)	mg/L	0.657		
Total Nitrogen (N)	mg/L	0.653		
Total Phosphorus (P)	mg/L	0.0731		
Physical Properties				
Conductivity	uS/cm	140		
pH	pH units	7.48	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.11	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	44.8		
Elements				
Dissolved Mercury (Hg)	ug/L	ND		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	ND	200	OG
Dissolved Antimony (Sb)	ug/L	ND	6	MAC
Dissolved Arsenic (As)	ug/L	2.49	10	MAC
Dissolved Barium (Ba)	ug/L	4.3	1000	MAC
Dissolved Beryllium (Be)	ug/L	ND		
Dissolved Bismuth (Bi)	ug/L	ND		
Dissolved Boron (B)	ug/L	ND	5000	AO
Dissolved Cadmium (Cd)	ug/L	ND	5	MAC
Dissolved Chromium (Cr)	ug/L	ND	50	MAC
Dissolved Cobalt (Co)	ug/L	ND		

Grantham's Landing Water Potability Test Results

Date: July 11, 2018

Sample collected in the Grantham's Landing Water System

PARAMETERS continued	UNITS	GL-02	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	ND		
Dissolved Molybdenum (Mo)	ug/L	1.5		
Dissolved Nickel (Ni)	ug/L	ND		
Dissolved Selenium (Se)	ug/L	0.48	50	MAC
Dissolved Silicon (Si)	ug/L	18500		
Dissolved Silver (Ag)	ug/L	ND		
Dissolved Strontium (Sr)	ug/L	31.9		
Dissolved Thallium (Tl)	ug/L	ND		
Dissolved Tin (Sn)	ug/L	ND		
Dissolved Titanium (Ti)	ug/L	ND		
Dissolved Uranium (U)	ug/L	0.18	20	MAC
Dissolved Vanadium (V)	ug/L	9.2		
Dissolved Zinc (Zn)	ug/L	ND	5000	AO
Dissolved Zirconium (Zr)	ug/L	ND		
Dissolved Calcium (Ca)	mg/L	9.22		
Dissolved Magnesium (Mg)	mg/L	5.29		
Dissolved Potassium (K)	mg/L	2.91		
Dissolved Sodium (Na)	mg/L	6.38	200	AO
Dissolved Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)

Chaster Water Potability Test Results

Date: July 11, 2018

Sample collected from the Chaster Water System

PARAMETERS	UNITS	CW-01	GCDWQ ³	
Anions				OG/AO/MAC ⁴
Nitrite (N)	mg/L	ND	1	MAC
Calculated Parameters				
Nitrate (N)	mg/L	1.14	10	MAC
Demand Parameters				
Chemical Oxygen Demand	mg/L	5.1		
Misc. Inorganics				
Dissolved Organic Carbon	mg/L	ND		
Alkalinity (total as CaCO ₃)	mg/L	59.4		
Alkalinity (PP as CaCO ₃)	mg/L	ND		
Bicarbonate (HCO ₃)	mg/L	72.4		
Carbonate (CO ₃)	mg/L	ND		
Hydroxide (OH)	mg/L	ND		
Anions				
Dissolved Sulphate (SO ₄)	mg/L	5.8	500	AO
Dissolved Chloride (Cl)	mg/L	6.5	250	AO
Nutrients				
Total Kjeldahl Nitrogen	mg/L	0.059		
Total Ammonia (N)	mg/L	ND		
Nitrate + Nitrite (N)	mg/L	1.14		
Total Nitrogen (N)	mg/L	1.20		
Total Phosphorus (P)	mg/L	0.0932		
Physical Properties				
Conductivity	uS/cm	156		
pH	pH units	7.81	7.0-10.5	OG
Physical Properties				
Turbidity	NTU	0.20	5	MAC
Misc. Inorganics				
Dissolved Hardness (CaCO ₃)	mg/L	53.3		
Elements				
Dissolved Mercury (Hg)	ug/L	ND		
Dissolved Metals by ICPMS				
Dissolved Aluminum (Al)	ug/L	ND	200	OG
Dissolved Antimony (Sb)	ug/L	ND	6	MAC
Dissolved Arsenic (As)	ug/L	2.00	10	MAC
Dissolved Barium (Ba)	ug/L	4.0	1000	MAC
Dissolved Beryllium (Be)	ug/L	ND		
Dissolved Bismuth (Bi)	ug/L	ND		
Dissolved Boron (B)	ug/L	ND	5000	AO
Dissolved Cadmium (Cd)	ug/L	ND	5	MAC
Dissolved Chromium (Cr)	ug/L	ND	50	MAC
Dissolved Cobalt (Co)	ug/L	ND		

Chaster Water Potability Test Results

Date: July 11, 2018

Sample collected from the Chaster Water System

PARAMETERS continued	UNITS	CW-01	GCDWQ ³	
Dissolved Manganese (Mn)	ug/L	1.6		
Dissolved Molybdenum (Mo)	ug/L	1.5		
Dissolved Nickel (Ni)	ug/L	ND		
Dissolved Selenium (Se)	ug/L	0.24	50	MAC
Dissolved Silicon (Si)	ug/L	22300		
Dissolved Silver (Ag)	ug/L	ND		
Dissolved Strontium (Sr)	ug/L	41.5		
Dissolved Thallium (Tl)	ug/L	ND		
Dissolved Tin (Sn)	ug/L	ND		
Dissolved Titanium (Ti)	ug/L	ND		
Dissolved Uranium (U)	ug/L	0.18	20	MAC
Dissolved Vanadium (V)	ug/L	12.8		
Dissolved Zinc (Zn)	ug/L	ND	5000	AO
Dissolved Zirconium (Zr)	ug/L	ND		
Dissolved Calcium (Ca)	mg/L	8.80		
Dissolved Magnesium (Mg)	mg/L	7.60		
Dissolved Potassium (K)	mg/L	3.16		
Dissolved Sodium (Na)	mg/L	9.18	200	AO
Dissolved Sulphur (S)	mg/L	ND		

ND = not detected

RDL = Reportable Detection Limit

1 - milligrams per litre (parts per million)

2 - micrograms per litre (parts per billion)

3 - Guidelines for Canadian Drinking Water Quality (Where no limits are in the table above please refer to the guideline)

4 - OG/AO/MAC (Operational Guidance / Aesthetic objective / Maximum Acceptable Concentration)